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## Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

## Listing of Claims:

 (Currently Amended) A composition comprising a therapeutically active compound covalently bonded to an adduct of a dialkoxy substance and a guanidinylating reagent a guanidinoaminoglycoside.

## 2. - 8. (Cancelled).

- (Previously Presented) The composition of claim 1, wherein the therapeutically active compound is selected from the group consisting of a nucleic acid, nucleoside, protein, peptide, amino acid residue, lipid, carbohydrate, synthetic organic compound, metal, vitamin, small molecule, dye, isotope, antibody, toxin and ligand.
- (Previously Presented) The composition of claim 1, wherein the therapeutically active compound comprises a nucleoside, wherein the nucleoside is a reverse transcriptase inhibitor.
- (Original) The composition of claim 10, wherein the reverse transcriptase inhibitor is selected from the group consisting of 3'-azido-3'-deoxythymidine, 2',3'-dideoxyinosine and 2',3'-dideoxycytidine.
- 12. (Cancelled).
- (Currently Amended) The composition of claim 42 10, wherein the guanidino aminoglycoside is selected from the group consisting of guanidino amikacin,

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guanidino-gentamicin, guanidino-kanamycin, guanidino-neomycin, guanidino-netilmicin, guanidino-0-2,6-diamino-2,6-dideoxy-beta-L-idopyranosyl-(1 to 3)-O-beta-D-ribofuranosyl-(1 to 5)-O-[2-amino-2-deoxy-alpha-D-glucopyranosyl-(1 to 4)]-2-deoxystreptamine, guanidino-streptomycin and guanidino-tobramycin.

- 14. (Currently Amended) A method of increasing the cellular uptake of a therapeutically active compound, comprising:
  - (a) modifying a dialkoxy substance, wherein the dialkoxy substance is an aminoglycoside, by treating the dialkoxy substance with a guanidinylating reagent to form an adduct, wherein the adduct is a guanidinoaminoglycoside;
  - (b) covalently bonding the adduct to the therapeutically active compound to form a conjugate; and
  - (c) delivering the conjugate to a cell.
- (Currently Amended) The method of claim 14, wherein the dialkoxy substance is aminoglycoside comprises a cyclic acetal an acetal or a ketal.
- (Original) The method of claim 14, wherein the guantidinylating reagent comprises a guantidine or alkylguantidine moiety.
- (Currently Amended) The method of claim 14, wherein the dialkoxy substance aminoglycoside comprises at least one cyclic acetal having the formula:

$$R_1 R_2$$
  $R_3$ 

wherein  $R_1$ ,  $R_2$ , and/or  $R_3$  groups comprise two or more 5- or 6-membered rings which are linked together by at least one acetal functional group and wherein  $R_1$ - $R_2$ , and  $R_3$  are the carbon atoms of two separate ring systems.

18. - 19. (Cancelled).

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(Currently Amended) The method of claim 18 17, wherein in treating the
 <u>aminoglycoside</u>, the guanidinylating reagent is reacted with at least one primary or secondary
 alcohol of the <u>aminoglycoside</u> to produce a guanidino<u>aminoglycoside</u>.

 (Original) The method of claim 20, wherein the guanidinylating reagent has the general formula;

$$P_1$$
 $N$ 
 $P_2$ 
 $N$ 
 $P_2$ 

wherein each of P<sub>1</sub>, P<sub>2</sub> and P<sub>3</sub> is, independently, the same or different protecting group, each protecting group having the general structure:

wherein R2 is a substituted or unsubstituted alkyl, aryl, or heterocyclic group.

- (Currently Amended) The method of claim 48 17, wherein in treating the
   <u>aminog</u>lycoside, the guanidinylating reagent is reacted with at least one primary or secondary
   amine of the <u>aminog</u>lycoside to produce a guanidino<u>aminog</u>lycoside.
- 23. (Previously presented) The method of claim 22, wherein the guantidinylating reagent has the general formula:

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$$P_1 \nearrow \begin{matrix} H & H & H \\ N & C & N \\ & & & \\ & &$$

wherein  $R_1$  is trifluoromethyl group, and each of  $P_1$ ,  $P_2$  and  $P_3$  is, independently, the same or different protecting group, each protecting group having the general structure:

wherein R2 is a substituted or unsubstituted alkyl, aryl, or heterocyclic group.

- (Cancelled).
- 25. (Currently Amended) The method of claim 14, wherein the dialkoxy substance aminoglycoside is selected from the group consisting of amikacin, gentamicin, kanamycin, neomycin, netilmicin, O-2,6-diamino-2,6-dideoxy-beta-L-idopyranosyl-(1 to 3)-O-beta-D-ribofuranosyl-(1 to 5)-O-[2-amino-2-deoxy-alpha-D-glucopyranosyl-(1 to 4)]-2-deoxystreptamine, streptomycin, and tobramycin, ouabain, deslanoside, digoxin, digitoxin, lantoside and strophanthin.
- 26. (Previously Presented) The method of claim 14, wherein the therapeutically active compound is selected from the group consisting of a nucleic acid, nucleoside, protein, peptide, amino acid residue, lipid, carbohydrate, synthetic organic compound, metal, vitamin, small molecule, dye, isotope, antibody, toxin and ligand.
- (Previously Presented) The method of claim 14, wherein the therapeutically active compound comprises a nucleoside, wherein the nucleoside is a reverse transcriptase inhibitor.

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 (Original) The method of claim 27, wherein the reverse transcriptase inhibitor is selected from the group consisting of 3'-azido-3'-deoxythymidine, 2',3'-dideoxyinosine and 2',3'dideoxycvtidine.

- (Cancelled).
- 30. (Currently Amended) The method of claim 29 27, wherein the <u>guanidino</u>-aminoglycoside is selected from the group consisting of <u>guanidino</u>-amikacin, <u>guanidino</u>-gentamicin, <u>guanidino</u>-kanamycin, <u>guanidino</u>-neomycin, <u>guanidino</u>-netilmicin, <u>guanidino</u>-O-2,6-diamino-2,6-dideoxy-beta-L-idopyranosyl-(1 to 3)-O-beta-D-ribofuranosyl-(1 to 5)-O-[2-amino-2-deoxy-alpha-D-glucopyranosyl-(1 to 4)]-2-deoxystreptamine, <u>guanidino</u>-streptomycin and <u>guanidino</u>-tobramycin.
- (Currently Amended) The method of claim <u>1849</u>, wherein in treating the <u>aminog</u>lycoside, the guanidinylating reagent is reacted with at least one primary or secondary alcohol of the <u>aminog</u>lycoside to produce a guanidino<u>aminog</u>lycoside.
- (Currently Amended) The method of claim <u>1849</u>, wherein in treating the <u>aminog</u>lycoside, the guanidinylating reagent is reacted with at least one primary or secondary amine of the <u>aminog</u>lycoside to produce a guanidino<u>aminog</u>lycoside.
- (Currently Amended) The composition of claim 1, wherein the therapeutically active
  compound in the conjugate is covalently bonded to the adduct through a linker, wherein the
  linker is selected from the group consisting of a thiol linker and an amino acid linker.
- 34. 36. (Cancelled).

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37. (Currently Amended) The method of claim 14, wherein the therapeutically active compound in the conjugate is covalently bonded to the adduct through a linker, wherein the linker is selected from the group consisting of a thiol linker and an amino acid linker.

- 38. 42. (Cancelled).
- (Currently Amended) The composition of claim 35 33, wherein the thiol linker is a dithiol.
- (Previously Presented) The composition of claim 43, wherein the dithiol is βmercaptoethylether.
- 45. (Cancelled).
- (Currently Amended) The composition of claim 35 33, wherein the amino acid linker is glycine.
- 47. (Currently Amended) The method of claim 39 37, wherein the thiol linker is a dithiol.
- (Previously Presented) The method of claim 47, wherein the dithiol is βmercaptoethylether.
- (Cancelled).
- (Currently Amended) The method of claim 40 37, wherein the amino acid linker is glycine.